Application No.: 10/543,048

Page 2 of 14

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-85 (Cancelled)

86. (Previously presented) A double-stranded ribonucleic acid (dsRNA) comprising a complementary RNA strand, a sense RNA strand and only one lipophilic group having a logK_{ow} exceeding 1, wherein the complementary RNA strand has a nucleotide sequence which is complementary to a target RNA, and wherein the target RNA is an mRNA transcript of a target gene or of a (+) strand RNA virus, wherein the lipophilic group is covalently attached to a 5'-end of the complementary RNA strand and a linkage between the lipophilic group and the 5'-end of the complementary RNA strand comprises a phosphodiester group.

87-93. (Cancelled)

- (Previously presented) The dsRNA of claim 86, wherein the lipophilic group is a steroid or a branched aliphatic hydrocarbon, or a combination thereof.
- (Previously presented) The dsRNA of claim 94, wherein the lipophilic group is a sterol.
- (Previously presented) The dsRNA of claim 95, wherein the sterol is cholesterol
 or a cholesterol derivative.
- (Previously presented) The dsRNA of claim 96, wherein the lipophilic group is cholesteryl (6-hydroxyhexyl) carbamate or 12-hydroxydodecanoic acid bisdecylamide.

Application No.: 10/543,048

Page 3 of 14

 (Previously presented) The dsRNA of claim 86, wherein the lipophilic group is selected from the group consisting of an aromatic, aliphatic or alicyclic moiety, or a combination thereof.

- 99. (Cancelled)
- (Previously presented) The dsRNA of claim 86, wherein the lipophilic group has a logK_{ow} exceeding 1.5.
- 101. (Previously presented) The dsRNA of claim 86, wherein the lipophilic group has a logKow exceeding 2.
- 102. (Previously presented) The dsRNA of claim 86, wherein the lipophilic group has a logKow exceeding 3.
- 103-109. (Cancelled)
- 110. (Previously presented) The dsRNA of claim 86, wherein the complementary RNA strand comprises a 3'-end and a 5'-end, and wherein the 3'-end has a nucleotide overhang of 1 to 4 nucleotides.
- 111. (Previously presented) The dsRNA of claim 86, wherein the complementary RNA strand comprises a 3'-end and a 5'-end, and wherein the 3'-end has a nucleotide overhang of 1 or 2 nucleotides.

112-113. (Cancelled)

114. (Previously presented) The dsRNA of claim 86, wherein the dsRNA is between 16 and 30 nucleotides in length.

Application No.: 10/543,048 Page 4 of 14

115. (Previously presented) The dsRNA of claim 86, wherein the dsRNA is between 16 and 25 nucleotides in length.

- 116. (Previously presented) The dsRNA of claim 86, wherein the dsRNA is between 20 and 25 nucleotides in length.
- 117. (Previously presented) The dsRNA of claim 86, wherein the target RNA is expressed in a cell selected from the group consisting of a hepatocyte, a pancreatic cell, a uterine cell, a cell of a cervix, and a cell of a urinary bladder.
- 118. (Previously presented) The dsRNA of claim 86, wherein the (+) strand RNA virus is a Hepatitis C Virus (HCV).
- (Previously presented) The dsRNA of claim 86, wherein the target RNA is at least a portion of a 3'-untranslated region (3'-UTR) of a Hepatitis C Virus (HCV).